


STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☒

APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER NBU 922-30F1CS							
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT NATURAL BUTTES							
4. TYPE OF WELL Gas Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME NATURAL BUTTES							
6. NAME OF OPERATOR KERR-MCGEE OIL & GAS ONSHORE, L.P.						7. OPERATOR PHONE 720 929-6515							
8. ADDRESS OF OPERATOR P.O. Box 173779, Denver, CO, 80217						9. OPERATOR E-MAIL julie.jacobson@anadarko.com							
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU463			11. MINERAL OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>							
13. NAME OF SURFACE OWNER (if box 12 = 'fee')						14. SURFACE OWNER PHONE (if box 12 = 'fee')							
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')							
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input checked="" type="checkbox"/> (Submit Commingling Application) NO <input type="checkbox"/>			19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>							
20. LOCATION OF WELL		FOOTAGES		QTR-QTR		SECTION		TOWNSHIP		RANGE		MERIDIAN	
LOCATION AT SURFACE		2144 FNL 1622 FWL		SEnw		30		9.0 S		22.0 E		S	
Top of Uppermost Producing Zone		1706 FNL 1984 FWL		SEnw		30		9.0 S		22.0 E		S	
At Total Depth		1706 FNL 1984 FWL		SEnw		30		9.0 S		22.0 E		S	
21. COUNTY UINTAH			22. DISTANCE TO NEAREST LEASE LINE (Feet) 1706			23. NUMBER OF ACRES IN DRILLING UNIT 551							
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 598			26. PROPOSED DEPTH MD: 9633 TVD: 9574							
27. ELEVATION - GROUND LEVEL 4959			28. BOND NUMBER WYB000291			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 43-8496							
Hole, Casing, and Cement Information													
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement		Sacks	Yield	Weight		
SURF	11	8.625	0 - 2590	28.0	J-55 LT&C	0.2	Type V		180	1.15	15.8		
							Class G		270	1.15	15.8		
PROD	7.875	4.5	0 - 9633	11.6	I-80 LT&C	12.5	Premium Lite High Strength		320	3.38	11.0		
							50/50 Poz		1280	1.31	14.3		
ATTACHMENTS													
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES													
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER						<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN							
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)						<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER							
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)						<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP							
NAME Laura Abrams				TITLE Regulatory Analyst II				PHONE 720 929-6356					
SIGNATURE				DATE 06/16/2011				EMAIL Laura.Abrams@anadarko.com					
API NUMBER ASSIGNED 43047516790000				APPROVAL  Permit Manager									

The map shows a 30-acre well site, NBU 922-30F1CS, divided into four lots. The well location is marked with a black dot for the surface position and a white circle with a dot for the bottom of the hole. The map includes bearings and distances for all boundaries, as well as NAD 83 and NAD 27 coordinates for both the surface and bottom of the well. Found 1977 brass caps and piles of stones are marked at various corners and along the boundaries.

Well Location Data:

Position	NAD 83 LATITUDE	NAD 83 LONGITUDE	NAD 27 LATITUDE	NAD 27 LONGITUDE
Surface Position	40.008382° (40° 00' 30.174")	109.484872° (109° 29' 05.539")	40.008417° (40° 00' 30.300")	109.484186° (109° 29' 03.069")
Bottom Hole	40.009589° (40° 00' 34.522")	109.483584° (109° 29' 00.901")	40.009624° (40° 00' 34.648")	109.482898° (109° 28' 58.432")

Boundary Measurements:

- North:** Found 1977 Brass Cap. Pile of Stones. S89°35'W - 33.36' (G.L.O.), N89°59'W - 40.42' (G.L.O.), N89°57'48"W - 2668.02' (Meas.)
- East:** Found 1977 Brass Cap. Pile of Stones. N00°00'38"W - 2639.48' (Meas.), N00°04'W - 80.00' (G.L.O.), N00°03'07"W - 1320.40' (Meas.), N00°01'20"E - 1321.22' (Meas.), Found 1977 Brass Cap. Pile of Stones.
- South:** Found 1977 Brass Cap. Pile of Stones. S89°48'51"W - 919.75' (Meas.), S89°49'04"W - 1314.58' (Meas.), S89°51'19"W - 1317.52' (Meas.), S89°47'06"W - 1312.43' (Meas.), Found 1977 Brass Cap. Pile of Stones.
- West:** Found 1977 Brass Cap. Pile of Stones. N0°10'W - 40.06' (G.L.O.), N00°05'10"W (Basis of Bearings) - 2643.59' (Measured), N0°03'W - 39.98' (G.L.O.), N00°03'18"W - 2639.74' (Meas.), Found 1977 Brass Cap. Pile of Stones.

Lot Dimensions:

- LOT 1:** 13.67' (G.L.O.) x 19.69' (G.L.O.)
- LOT 2:** 1622' x 1984'
- LOT 3:** 13.925' (G.L.O.) x 19.925' (G.L.O.)
- LOT 4:** 13.925' (G.L.O.) x 19.925' (G.L.O.)

Well Location:
NBU 922-30F1CS
 ELEV. UNGRADED GROUND = 4959.5'

▲ = Section Corners Located

1. Well footages are measured at right angles to the Section Lines.
2. G.L.O. distances are shown in feet or chains.
1 chain = 66 feet.
3. The Bottom of hole bears N39°22'07"E 569.17' from the Surface Position.
4. Bearings are based on Global Positioning Satellite observations.
5. Basis of elevation is Tri-Sta "Two Water" located in the NW $\frac{1}{4}$ of Section 1, T10S, R21E, S.L.B.&M. The elevation of this Tri-Sta is shown on the Big Pack Mtn NE 7.5 Min. Quadrangle as being 5238'.

Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street - Denver, Colorado 80202

NBU 922-30F1CS
WELL PLAT

1706' FNL, 1984' FWL (Bottom Hole)
SE $\frac{1}{4}$ NW $\frac{1}{4}$ OF SECTION 30, T9S, R22E,
S.L.B.&M., UINTAH COUNTY, UTAH.



CONSULTING, LLC
2155 North Main Street
Sheridan WY 82801
Phone 307-674-0609
Fax 307-674-0182



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

No.6028691
JOHN R
LAUGHLIN
ENROR

John R. Laughlin

PROFESSIONAL LAND SURVEYOR
REGISTRATION No. 6028691
STATE OF UTAH

(435) 789-1365

ENGINEERING & LAND SURVEYING, INC.
209 NORTH 300 WEST - VERNAL, UTAH 84078

DATE SURVEYED: 07-22-10	SURVEYED BY: M.S.B.	<div style="text-align: center;"> 1 1 OF 17 </div>
DATE DRAWN: 08-02-10	DRAWN BY: M.W.W.	
SCALE: 1" = 1000'	Date Last Revised: 10-28-10 F.M.S.	